

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> MAY 06 2002 PATENT & TRADEMARK OFFICE </div> </div>				ATTY DOCKET NO. 98-PO151		SERIAL NO. 10/071,840		
				Kathleen M. Miller et al.				
				FILING 2/8/02		GROUP 3738		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
01	1.	4,054,139	10/18/77	Crossley	128	260		
	2.	4,240,163	12/23/80	Galin	3	13		
	3.	4,472,327	9/18/84	Neeffe	264	1.9		
	4.	4,603,152	7/29/86	Laurin et al.	604	265		
	5.	4,723,950	2/9/88	Lee	604	322		
	6.	4,731,080	3/15/88	Galin	623	6		
	7.	4,853,978	8/8/89	Stockum	2	167		
	8.	4,902,503	2/20/90	Umemura et al.	424	83		
	9.	4,923,450	5/8/90	Maeda et al.	604	265		
	10.	4,933,178	6/12/90	Capelli	424	78		
9)	11.	4,946,899	8/7/90	Kennedy et al.	525	244		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
01	1.	WO 97/14447	4/24/97	PCT	A61L 27	00	✓	
02	2.	WO 99/47595	9/23/99	PCT	CO8K 3	00	✓	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
01	1.	Swartz, R., et al., "Biofilm Formation on Peritoneal Catheters Does Not Require the Presence of Infection," <i>ASAIO Trans.</i> , Vol. 37, no. 4, Oct.-Dec. 1991, pp. 626-634.						
09	2.	Richards, G.K., et al., "Comparative Rates of Antibiotic Action Against <i>Staphylococcus epidermidis</i> Biofilms," <i>ASAIO Trans.</i> , Vol. 37, no. 3, Jul.-Sept. 1991, pp. M160-162.						
EXAMINER				DATE CONSIDERED				
				1/04				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

INFORMATION DISCLOSURE/CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 98-PO151		SERIAL NO. 10/071,840	
				Kathleen M. Miller et al.			
				FILING 2/8/02		GROUP 3738	

MAY 06 2002
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D	12.	4,978,391	12/18/90	Jones	106	35	
	13	5,080,892	1/14/92	Yamamori et al.	424	78.09	
	14.	5,091,205	2/25/92	Fan	427	2	
	15.	5,091,442	2/25/92	Milner	523	122	
	16.	5,098,379	3/24/92	Conway et al.	604	51	
	17.	5,102,401	4/7/92	Lambert et al.	604	264	
	18.	5,102,402	4/7/92	Dror et al.	604	265	
	19.	5,130,159	7/14/92	Shlenker et al.	427	2	
	20.	5,135,516	8/4/92	Sahatjian et al.	604	265	
	D	21.	5,137,671	8/11/92	Conway et al.	264	130

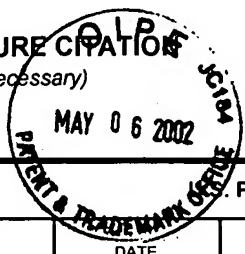
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
D	3.	Stamm, Walter E., "Catheter-Associated Urinary Tract Infections: Epidemiology, Pathogenesis, and Prevention," <i>American Journal of Medicine</i> , Vol. 91, no. 3B, Sept. 1991, pp. 65S-71S.
D	4.	Golomb, Gershon, et al., "Prevention of Bacterial Colonization on Polyurethane <i>in vitro</i> by Incorporated Antibacterial Agent," <i>Journal of Biomedical Materials Research</i> , Vol. 25, no. 8, Aug. 1991, pp. 937-952.

EXAMINER 	DATE CONSIDERED 1/02
--------------	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 98-PO151		SERIAL NO. 10/071,840	
				Kathleen M. Miller et al.			
				FILING 2/8/02		GROUP 3738	



PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
01	22	5,165,952	11/24/92	Solomon et al.	427	2	
	23	5,171,318	12/15/92	Gibson et al.	623	5	
	24	5,178,870	1/12/93	Schaeken et al.	424	405	
	25	5,217,493	6/8/93	Raad et al.	623	11	
	26	5,261,896	11/16/93	Conway et al.	604	265	
	27	5,272,012	12/21/93	Opolski	428	423.1	
	28	5,304,121	4/19/94	Sahatjian	604	53	
	29	5,328,954	7/12/94	Sarangapani	524	589	
	30	5,344,411	9/6/94	Domb et al.	604	265	
	31	5,360,415	11/1/94	Yabushita et al.	604	265	
01	32	5,362,754	11/8/94	Raad et al.	514	566	

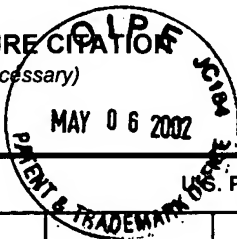
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
01	5.	Mulhall, Anne, "Biofilms and Urethral Catheter Infections," <i>Nursing Standard</i> , Vol. 5, no. 18, Jan. 23-29, 1991, pp. 26-28.
01	6.	Chang, Chung Che, et al., "Effect of <i>Staphylococcus epidermidis</i> on Adherence of <i>Pseudomonas aeruginosa</i> and <i>Proteus mirabilis</i> to Polymethyl Methacrylate (PMMA) and Gentamicin-Containing PMMA," <i>Journal of Orthopaedic Research</i> , Vol. 9, no. 2, Mar. 1991, pp. 284-288.

EXAMINER 	DATE CONSIDERED 1/04
---	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY DOCKET NO. 98-PO151	SERIAL NO. 10/071,840
	Kathleen M. Miller et al.	
	FILING 2/8/02	GROUP 3738



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
01	33.	5,366,505	11/22/94	Farber	623	11
	34..	5,370,681	12/6/94	Herweck et al.	623	1
	35.	5,389,314	2/14/95	Wang	264	25
	36.	5,409,012	4/25/95	Sahatjian	128	749
	37.	5,462,644	10/31/95	Woodson	204	131
	38.	5,599,298	2/4/97	Sahatjian	604	49
	39.	5,607,683	3/4/97	Capelli	424	405
	40.	5,611,354	3/18/97	Alleyne	128	846
	41.	5,616,119	4/1/97	Davis	604	19
	42.	5,624,704	4/29/97	Darouiche et al.	427	2.24
01	43.	5,643,207	7/1/97	Rise	604	93

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

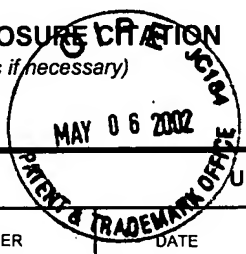
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

01	7.	Liedberg, H., et al., "Pseudomonas aeruginosa: Adherence to and Growth on Different Urinary Catheter Coatings," <i>International Urology and Nephrology</i> , Vol. 22, no. 5, 1990, pp. 487-492.
01	8.	Anwar, Hosmin, et al., "Testing the Susceptibility of Bacteria in Biofilms to Antibacterial Agents," <i>Antimicrobial Agents and Chemotherapy</i> , Vo. 34, no. 3, 1990, pp. 2043-2046,

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

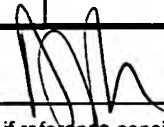
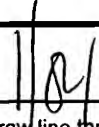
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 98-PO151		SERIAL NO. 10/071,840	
				Kathleen M. Miller et al.			
				FILING 2/8/02		GROUP 3738	



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
011	44.	5,679,399	10/21/97	Shlenker et al.	427	2.3	
	45.	5,707,366	1/13/98	Solomon et al.	604	265	
	46.	5,716,406	2/10/98	Farber	623	11	
	47.	5,741,331	4/21/98	Pinchuk	623	11	
	48.	5,772,640	6/30/98	Modak et al.	604	265	
	49.	5,853,745	12/29/98	Darouiche	424	423	
	50.	5,902,283	5/11/99	Darouiche et al.	604	265	
	51.	6,083,208	7/4/2000	Modak et al.	604	265	
	52.	6,106,505	8/22/2000	Modak et al.	604	265	
	53.	09/734,639		Pinchuk et al.			12/12/00

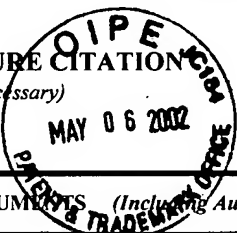
FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
011	9.	Dunne, W. Michael Jr., "Effects of Subinhibitory Concentrations of Vancomycin or Cefamandole on Biofilm Production by Coagulase-Negative Staphylococci," <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 34, no. 3, Mar. 1990, pp. 390-393.
011	10.	Doughterty, Steven H., et al., "Endogenous Factors Contributing to Prosthetic Device Infections," <i>Infectious Disease Clinics of North America</i> , Vol. 3, no. 2, June 1989, pp. 199-209.

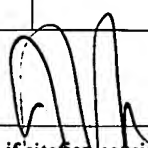
EXAMINER 	DATE CONSIDERED 
---	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Docket Number (Optional) 98-PO151	Application Number 10/071,840
Applicant(s) Kathleen M. Miller et al.		Filing Date 2/8/02	Group Art Unit 3738



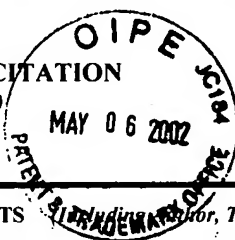
*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
21	11.	Speer, Anthony G., et al., "Biliary Stent Blockage with Bacterial Biofilm," <i>Annals of Internal Medicine</i> , Vol. 108, no. 4, Apr. 1998, pp. 546-553
21	12.	Liedberg, H., et al., "Silver Coating of Urinary Catheters Prevents Adherence and Growth of <i>Pseudomonas Aeruginosa</i> ," <i>Urological Research</i> , Vol. 17, no. 6, 1989, pp. 357-358.
21	13.	Ramsay, J.W.A., et al., "Biofilms, Bacteria, and Bladder Catheters: A Clinical Study," <i>British Journal of Urology</i> , Vol. 64, no. 4, Oct. 1989, pp. 395-398.
21	14.	Farber, Bruce F., et al., "The Use of Nonsteroidal Antiinflammatory Drugs to Prevent Adherence of <i>Staphylococcus epidermidis</i> to Medical Polymers," <i>Journal of Infectious Diseases</i> , Vol. 166, no. 4, Oct., 1992, pp. 861-865.
21	15.	Farber, Bruce F., et al., " <i>Staphylococcus epidermidis</i> Extracted Slime Inhibits the Antimicrobial Action of Glycopeptide Antibiotics," <i>Journal of Infectious Diseases</i> , Vol. 161, no. 1, Jan. 1990, pp. 37-40.
21	16.	Donnenfeld, E.D., et al., "Biofilm and Bacterial Adherence Inhibition with Sodium Salicylate," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 35, no. 4, 1994, p. 2164.
21	17.	Farber, B.F., et al., " <i>Staphylococcus aureus</i> Extracted Polysaccharide Interferes with the Antimicrobial Action of Glycopeptide Antibiotics," <i>Clinical Research</i> , Vol. 38, no. 2, 1990, p. 428A.
21	18.	Farber, B.F., et al., "Extracted <i>S. epidermidis</i> Slime Interferes with the Antimicrobial Action of Glycopeptide Antibiotics," <i>Clinical Research</i> , Vol. 37, no. 2, 1990, p. 428A.
21	19.	Farber, B.F., et al., "Unique Properties of <i>S. epidermidis</i> Extractable Polysaccharide Slime (SEEP)," <i>Clinical Research</i> , Vol. 36, no. 3, 1988, p. 455A.
21	20.	Teichberg, Saul, et al., "Salicylic Acid Decreases Extracellular Biofilm Production by <i>Staphylococcus epidermidis</i> : Electron Microscope Analysis," <i>Journal of Infectious Diseases</i> , Vol. 167, no. 6, 1993, pp. 1501-1503.
21	21.	Farber, Bruce F., et al., "A Novel Antibiofilm Technology for Contact Lens Solutions," <i>Ophthalmology</i> , Vol. 102, no. 5, May 1995, pp. 831-836.

EXAMINER 	DATE CONSIDERED 1/04
---	-------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional) 98-PO151	Application Number 10/071,840
Applicant(s) Kathleen M. Miller	
Filing Date 2/8/02	Group Art Unit 3738

*EXAMINER INITIAL	OTHER DOCUMENTS (Author, Title, Date, Pertinent Pages, Etc.)
<i>M</i>	22. Roberts, E.L., et al., "The Role of Sodium Salicylate in the Prevention of the Adherence of Acanthamoeba Castellani to Unworn Contact Lenses," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 35, no. 4, 1994, p. 2150.
	23. Donnenfeld, Eric D., et al., "Controlled Evaluation of a Bandage Contact Lens and a Topical Nonsteroidal Antiinflammatory Drug in Treating Traumatic Corneal Abrasions," <i>Ophthalmology</i> , Vol. 102, no. 6, June 1995, pp. 979-984.
	24. Costerton, J. William, et al., "Bacterial Biofilms in Nature and Disease," <i>Annual Review of Microbiology</i> , Vol. 41, 1987, pp. 435-464.
	25. Parsons, C. Lowell, et al., "Inhibition of Sodium Urate Crystal Adherence to Bladder Surface by Polysaccharide," <i>Journal of Urology</i> , Vol. 134, no. 3, Sept. 1985, pp. 614-616.
	26. Kingston, D., et al., "Self-disinfecting Plastics for Intravenous Catheters and Prosthetic Inserts," <i>Journal of Hygiene, Cambridge</i> , Vol. 96, 1986, pp. 185-198.
	27. Speer, A.G., et al., "The Role of Bacterial Biofilm in Clogging of Biliary Stents," Dept. Gastroenterology, Middlessex Hospital, London UK, Dept. Biology, University of Calgary, Alberta, Canada.
<i>M</i>	28. Sherman, Stuart, et al., "Stent-induced Pancreatic Ductal and Parenchymal Changes: Correlation of Endoscopic Ultrasound with ERCP," <i>Gastrointestinal Endoscopy</i> , Vol. 44, no. 3, 1996, pp. 276-282.
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>1/8/02</i>

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Supplemental INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) 98-PO151		Application Number 10/071,840
	Applicant(s) Kathleen M. Miller et al.		
	Filing Date 2/8/02	Group Art Unit 3738	

8. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	Anthony G. Gristina et al., "Bacterial Adherence and the Glycocalyx and Their Role in Musculoskeletal Infection," <i>Orthopedic Clinics of North America</i> , Vol. 15, no. 3, July 1984, pp. 517-535.
2.	F. Ikeda et al., "Formation of Biofilm by Slime Producing <i>Staphylococcus epidermidis</i> and Bactericidal Activity of Cefazolin," <i>Kansenshogaku Zasshi. Journal of the Japanese Association for Infectious Diseases</i> , Vol. 65, no. 7, July 1991, pp. 875-882.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.